EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	578836	fiber or fibre	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:11
L2	17738	gyro or gyroscope or sagnac	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:11
L3	295073	feedback	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:11
L4	374	color noise	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:11
L5	10186	fly back or fly-back or flyback	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:12
L6	5191	dead band or dead-band or deadband	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:12
L7	712	1 with 2 and 3	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:04
L8	1	7 and 4	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:04
L9	23	7 and 5	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:10
L10	16	7 and 6	US-PGPUB; USPAT	ADJ	ON	2006/02/22 09:10
L11	773166	fiber or fibre	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:11
L12	14997	gyro or gyroscope or sagnac	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:11
L13	138813	feedback	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:11
L14	382	color noise	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:11
L15	8549	fly back or fly-back or flyback	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:12
L16	1530	dead band or dead-band or deadband	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:12
L17	5	11 and 12 and 13 and (14 or 15 or 16)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/02/22 09:12

Google Scholar BETA

Scholar

Results **1 - 8** of **8** for <u>fiber gyroscope feedback</u> deadband. (0.14 seconds)

A Tactical Grade Depolarized **Fiber** Optic Gscope
G MECHANIZATION, T PROCEDURE - ieeexplore.ieee.org
... The **fiber** ring is joined to the two ports of the ... In addition to generating the **feedback**
signal the com- puter ... The **gyroscope** was tested for one hour at each of ...
Web Search

Agricultural vehicle navigation using multiple guidance sensors - group of 5 »
Q Zhang, JF Reid, N Noguchi - Proceedings of the International Conference on Field and ... - agri.wsu.edu
... **Fiber** Optic **Gyroscope** Sensor ... To compensate the error between the desired and the
actual Ackerman angles, the **feedback** loop of this FPID controller ...
Cited by 6 - View as HTML - Web Search

Where am I? Sensors and Methods for Mobile Robot Positioning - group of 13 »
J Borenstein, HR Everett, L Feng - University of Michigan, 1996 - eecs.umich.edu
... Very recently **fiber**-optic gyros (also called laser gyros), which are said ... These
relatively inexpensive devices are well suited as velocity **feedback** sensors in ...
Cited by 83 - View as HTML - Web Search

Clementine attitude determination and control system - group of 3 »
P DeLaHunt, S Gates, M Levenson, G Creamer - Journal of Spacecraft and Rockets, 1995 - pdf.aiaa.org
... because the dominant error became **gyroscope** noise ... One unit used inter- ferometric
fiber-optic gyroscopes ... for this phase consisted of two **feedback** loops depicted ...
Cited by 4 - Web Search - BL Direct

Control Technology Challenges for Gravitational Physics Experiments in Space
DB DeBra - pdf.aiaa.org
... testing the theory by the observation of a **gyroscope**. ... Chapman calculates that a fused
silica **fiber** ring ... Active **feedback** may be in- troduced in interesting ways ...
Web Search

DEVELOPMENT OF AN INEXPENSIVE GUIDANCE SYSTEM FOR AGRICULTURAL PURPOSES
GJ Nistala - 2006 - etd.lsu.edu
... hydraulic flow rate and the **feedback** gain were found to be the critical ... An RTK GPS
was used for position information, a **fiber** optic **gyroscope** (FOG) and ...
View as HTML - Web Search

The Syndicate Architecture and the DIstributed Robot Architectures (DIRA) Project
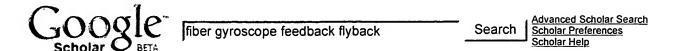B Sellner, R Simmons - bacall.autonomy.ri.cmu.edu
... This allows distributed **feedback** / control loops to be constructed easily at whichever
layer of abstraction is the most appropriate, and introduces a great ...
View as HTML - Web Search

Design and optimization of Suspension Systems and Components
T Rølvåg - 129.241.63.76
... Figure 2 Coil spring 2.2.2 Leaf Springs A leaf spring is made of metal or
fiber-reinforced plastic strips layered on top of one another. ...
View as HTML - Web Search

Google Scholar BETA

fiber gyroscope feedback flyback

Search

Scholar

Results **1** - **5** of **5** for <u>fiber **gyroscope** feedback</u> flyback. (0.08 seconds)

Closed-loop <u>fiber-optic **gyroscope** with a sawtooth phase-modulated **feedback**</u> - <u>group of 4 »</u>
A EBBERG, G SCHIFFNER - Optics Letters, 1985 - ol.osa.org
... phase-modulated **feedback** ... 6, 1984; accepted March 8, 1985 Theoretical and experimental
investigations of a closed-loop **fiber-optic gyroscope** are reported. ...
<u>Cited by 4</u> - <u>Web Search</u>

INTERFEROMET1UC FIBER-OPTIC GYROSCOPES: A SUMMARY OF PROGRESS
P MODULATOR - ieeexplore.ieee.org
... 3.1 Princinle nf Oneratinn In Figure 1, light is directed into the **fiber** loop to ...
The closed-loop servo, on the other hand, uses a **feedback** loop to force the ...
<u>Web Search</u>

STANDARD COMPASSIATTITUDE AND HEADING REFERENCE SYSTEM (CIAHRS) UTILIZING FIBER OPTIC GYROSCOPES
H Kent - ieeexplore.ieee.org
... light source and detector into the three **fiber** coils), the ... make up the rest of the
gyroscope consist of ... Signal Processor (DSP) and a **feedback** correction signal ...
<u>Web Search</u>

<u>Multiplexing of fibre gyroscopes with square wave bias modulation</u> - <u>group of 4 »</u>
W Jin, B Culshaw - IEE PROCEEDINGS PART J OPTOELECTRONICS, 1993 - ieeexplore.ieee.org
... is then fed into each individual **gyroscope** which induces ... The **feedback** induced crosstalk
is not so random in ... phase modulator may have finite **flyback** time, and ...
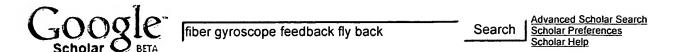<u>Web Search</u> - <u>BL Direct</u>

<u>Optical **Fiber** Sensor Technology in Portugal</u> - <u>group of 2 »</u>
AB RIBEIRO, J SANTOS, J BAPTISTA, L FERREIRA, F ... - **Fiber** & Integrated Optics, 2005 - Taylor & Francis
... on the required measurement range and the level of **feedback** control signal ... in deep
sea (based on Mach-Zehnder interferometers), the **fiber gyroscope** (relying on ...
<u>Web Search</u>

fiber gyroscope feedback flyback

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Results **1 - 10** of about **71** for <u>**fiber gyroscope feedback fly back**</u>. (0.09 seconds)

Did you mean: <u>fiber gyroscope feedback **flyback**</u>

<u>**Fiber** loop reflectors</u> - <u>group of 4 »</u>
DB Mortimore - Journal of Lightwave Technology, 1988 - ieeexplore.ieee.org
... and by conservation of energy all input light is reflected **back** along the ... at the
required wavelength, there will be cou- pler excess loss, **fiber** loss, and ...
<u>Cited by 86</u> - <u>Web Search</u>

[BOOK] <u>**Fiber** optic sensors</u>
FTS Yu, S Yin - 2002 - books.google.com
... Page 13. Chapter 8 **Fiber Gyroscope** Sensors ... An optical **fiber** then carries the light
with the environmentally impressed information **back** to an optical and/or ...
<u>Cited by 11</u> - <u>Web Search</u> - <u>Library Search</u>

<u>Visual servo system based on a biologically-inspired scanning sensor</u> - <u>group of 4 »</u>
S Viollet, N Franceschini - Proceedings of SPIE- The International Society for Optical ..., 1999 - laps.univ-mrs.fr
... and the implementation of a visual **feedback** loop designed ... 100g, including the engines,
scanning sensor, **gyroscope**, and the ... a 12 cm long carbon **fiber** shaft and ...
<u>Cited by 11</u> - <u>Web Search</u> - <u>BL Direct</u>

<u>Clementine attitude determination and control system</u> - <u>group of 3 »</u>
P DeLaHunt, S Gates, M Levenson, G Creamer - Journal of Spacecraft and Rockets, 1995 - pdf.aiaa.org
... because the dominant error became **gyroscope** noise ... One unit used inter- ferometric
fiber-optic gyroscopes ... for this phase consisted of two **feedback** loops depicted ...
<u>Cited by 4</u> - <u>Web Search</u> - <u>BL Direct</u>

[BOOK] <u>Modern inertial technology</u>
A Lawrence - 1998 - books.google.com
... Secondly, the Interferometric **Fiber** Optic **Gyroscope** (WOO) has become a ... Also, the
Pendulous Integrating **Gyroscope** Accelerometer (PIGA), based on ... Binary **Feedback** ...
<u>Cited by 94</u> - <u>Web Search</u> - <u>Library Search</u>

<u>THE OMNIMATE: A GUIDEWIRE-FREE AGV FOR HIGHLY FLEXIBLE AUTOMATION</u> - <u>group of 4 »</u>
J Borenstein - eecs.umich.edu
... Control and **feedback** signals to and from the trucks are passed through slip ... I: Technical
specifications for the E- Core RD2100 **fiber**-optics **gyroscope** [KVH ...
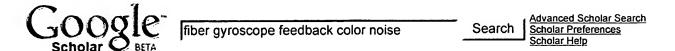<u>View as HTML</u> - <u>Web Search</u>

<u>DSP-Copter-A Quadrotor Helicopter Controlled by a Digital Signal Processor</u>
L Klauske, T Lorenz, N Colberg, M Janke, U Monich, ... - ntife.ee.tu-berlin.de
... However, in more developed versions, carbon **fiber** should be preferred. ... Actual
feedback-control was done by the following tasks: Acceleration ... 5 Murata **Gyroscope** ...
<u>View as HTML</u> - <u>Web Search</u>

<u>The Initiation and Control of Rapid Flight Maneuvers in Fruit Flies</u> - <u>group of 3 »</u>
MH Dickinson - Integrative and Comparative Biology, 2005 - icb.oxfordjournals.org
... descending information with thoracic **feedback** takes place ... efferent control system
of a **fly's 'gyroscope**.'. ... **Fiber** ultrastructure and contraction kinetics in ...
<u>Web Search</u>

<u>Full Text View</u> - <u>group of 2 »</u>

Google Scholar BETA

fiber gyroscope feedback color noise

Search

Scholar

Results **1** - **10** of about **107** for <u>**fiber gyroscope feedback color noise**</u>. (0.07 seconds)

<u>Color centers for tunable lasers in the near infrared region.</u>
R Astheimer, RA Bartolini, A Brunsting, JA Decker ... - ao.osa.org
... of the gain medium if the **feedback** beam is ... This patent describes a ring laser **gyroscope**
incorporating a ... a laser gyro utilizing a passive **fiber**-optic resonator. ...
<u>Web Search</u>

<u>Broad-bandwidth shot-**noise**-limited class-A operation of a monomode semiconductor **fiber**-based ring ... - group of 2 »</u>
G Baili, M Alouini, C Moronvalle, D Dolfi, F ... - Opt Lett, 2006 - ol.osa.org
... was obtained with the use of two adequate filters and a **feedback** loop. ... 1. H. Lefèvre,
The **Fiber**-Optic **Gyroscope** (Artech House, Boston, 1993). ...
<u>Web Search</u>

<u>KEY WORDS</u>
CCD Camera, C Camera, CL Free, C Methods, CI ... - Image - ieeexplore.ieee.org
... 52 Fault Management 159 Feature Extraction 912 **Feedback** Control 452 ... 58 Intelligent
Vehicles 230,290 Interferometric **Fiber** Optic **Gyroscope** 1053 Machine ...
<u>Web Search</u>

<u>BJ Howell - group of 4 »</u>
R Panel - APPLIED OPTICS, 1990 - aoot.osa.org
... intensity sensor is used to produce a **feedback** signal to ... This patent describes a
ring laser **gyroscope** with two ... is generated in the core of a **fiber** optic by ...
<u>Web Search</u>

<u>Reviewing Panel - group of 2 »</u>
DE Williamson, M Handschy - APPLIED OPTICS, 1993 - ao.osa.org
... The use of a scanning **fiber**-optic point source ... A **feedback** monitor is used to control
the exposure ... negligible axial aberrations, distortion, and lateral **color**. ...
<u>Web Search</u>

<u>adjustable distribution of intensity and a pattern-transfer</u>
GD KHOE, RG GOSSINK, CMGJ Assigned, RA SPRAGUE, WD ... - APPLIED OPTICS, 1983 - ao.osa.org
... configuration of a laser optical-**fiber gyroscope** which utilizes ... split, counterpropagated
through a **fiber**-optic coil ... This **feedback** into the laser near threshold ...
<u>Web Search</u>

<u>Miniature integrated optic Fabry-Perot slit interferometer - group of 5 »</u>
JG Farah - Proceedings of SPIE, 2003 - spie.org
... Phase **feedback** is done through the laser diode in ... 508, Two-**color** ratio pyrometer
with optical **fiber** for ... dynamic-range sensing with an open loop **fiber gyroscope**. ...
<u>Cached</u> - <u>Web Search</u>

<u>SIG."EN</u>
TA LittonSystems, I Filed25Nov - SIGNAL - ao.osa.org
... 356–350) **Fiber**-optic **gyroscope** with depolarizers ... A **fiber**-opticgyroscopewith a
depolarizerinstallednearthe fibercoil anda ... the tip by a **feedback** circuit that ...
<u>Web Search</u>

<u>Fiber-optic rotation rate sensor having dual interferometer - group of 2 »</u>
RA Bartollni, A Brunsting, JA Decker Jr, G Dub, MD ... - aoot.osa.org

Google Scholar BETA

fiber gyroscope feedback rate dependent sinu: | **Search**

Scholar   Results **1 - 4** of **4** for <u>**fiber gyroscope feedback rate dependent sinusoids**</u>. (0.11 seconds)

<u>Modeling Inertial Sensors Errors Using Allan Variance</u>
H Hou - geomatics.ucalgary.ca
... Figure 5.10 MotionPak II Gyro X Allan Variance Sample **Rate** Test Result
.....113 ... FPS Foot per second FOG **Fiber**-optic **Gyroscope** ...
<u>View as HTML</u> - <u>Web Search</u>

<u>Robert Smith</u>
A Frost, P Probert - The International Journal of Robotics Research, 1999 - ingentaconnect.com
... Each **gyroscope** contains both an angular **rate** sensor and a ... The voltage output from
the i th **gyroscope**, z i ... b i (·) is a temperature (T) **dependent** random bias ...
<u>Web Search</u>

<u>Development and Testing of a GPS-Augmented Multi-Sensor Vehicle Navigation System</u> - <u>group of 6 »</u>
J Stephen, G Lachapelle - Journal of Navigation, 2001 - CambridgeUnivPress
... Mechanical **rate** gyro 0n03m\s Short life **Fiber**-optic gyro ... of the object, and Ω is
the angular rotation **rate** vector. ... side is used to drive a **feedback** loop that ...
<u>Cited by 10</u> - <u>Web Search</u> - <u>BL Direct</u>

[BOOK] <u>Magnetic resonance spectroscopy in multiple sclerosis</u> - <u>group of 3 »</u>
M Filippi, DL Arnold - 2001 - books.google.com
... determinants of the consequences of demyelina- tion that are **dependent** on fundamentals ...
a specific molecular mechanism relating an appro- priate **rate** of firing ...
<u>Cited by 7</u> - <u>Web Search</u> - <u>Library Search</u>

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